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ABSTRACT

The facility and equipment design needs of the physically handicapped are described and listed as reference and material sources. Information sources include those which have been assigned retrieval terms and those which have not, organized into the following sections--(1) educational and special education facilities, (2) public facilities, (3) equipment needs for mobility, (4) supportive and background data on outdoor recreation and physical character, (5) films, and (6) people and places. Design criteria, guidelines, and standards are revealed in connection with planning, developing, designing, and constructing environments for the handicapped. (TG)

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DESIGN NEEDS OF THE PHYSICALLY HANDICAPPED

A Selected Bibliography

May 1970

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DESIGN NEEDS OF

THE PHYSICALLY HANDICAPPED

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ERIC CLEARINGHOUSE ON EDUCATIONAL FACILITIES
The University of Wisconsin
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I N T R O D U C T I O N

Information contained in this selected bibliography concerning the physically handicapped was annotated on the basis of accessibility of current materials. Citations were selected on the basis of pertinence of information to facility and equipment needs, current publishing dates, quality of information and manner of presentation.

All documents were selected with the conviction that school administrators, architects, designers, and planners must become more aware of the physically handicapped's dilemma and problems. The physically handicapped's daily living, educational and mobility problems and needs have been left to neglect and lip service too long. Hopefully, this bibliography can help to increase the awareness and understanding of this problem.

Alphabetically arranged reference sources, both indexed (with descriptors), and not indexed (without descriptors), are included in this bibliography. The bibliography is broken into major subject categories based on the physically handicapped's design needs. Source and document descriptors have been included in cases when documents were reviewed to help facilitate users grasp of the particular references emphasis and direction.

References were selected on the basis of potential usefulness and strength of relationship to contemporary thought and practice. Documents not indexed are not necessarily less valid than those indexed, but were unobtainable to the bibliographer during the period of his search. These references that are not indexed have been included for their potential applicability.

Each indexed reference source identified is followed by an alphabetical listing of descriptors which were selected to describe the subject elements of each document. Major descriptors are the most important descriptors assigned to a given document and are identified by an asterisk. The descriptors used throughout this bibliography are part of the Thesaurus of ERIC Descriptors, which is used for indexing, storing, and retrieving documents handled by the ERIC system.

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EDUCATIONAL AND SPECIAL FACILITIES

This section is particularily concerned with documents or the planning, design, development, and performance criteria of schools, special school-hospitals and their facilities, equipment and programs for the physically handicapped.

Albee, F. H. "The Effect of Architectural Barriers on the Handicapped School Child," The Florida Architect, 14 (June 1964), 27.

*Mobility Aids; *Physically Handicapped; *School Design; *School Safety; *Wheel Chairs; Architectural Elements; Cerebral Palsy; Handicapped Students; Multiply Handicapped; Regular Class Placement

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Bauer, Alexander H. "The Gaenslen School for the Physically Handicapped," American School Board Journal, 101 (July 1940), 41-44.

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*Architectural Elements; *Handicapped; *Perception; *Physical Environment; *Therapeutic Environment; Bibliographies; Child Psychology; Environmental Influences; Mentally Handicapped; Reference Material; Research; Space Orientation; Visual Stimuli

Bereiter, C.; and S. Engelmann. Teaching Disadvantaged Children in the Pre-School. Englewood Cliffs, New Jersey: Prentice Hall, 1966.

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*Building Design; *Criteria; *Facility Guidelines; *Physically Handicapped; Architectural Programing; Construction Needs; Design Needs; School Planning

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*Architectural Barriers; *Design Needs; *Physically Handicapped; *Public Facilities; *Toilet Facilities; Architectural Elements; Building Design; Community Action; Environmental Influences; Facility Guidelines; Mobility Aids; Planning; Program Development; Standards; Wheel Chairs

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Gauerke, Warren. "When You Build That School for the Handicapped," The Crippled Child, 26 (Dec. 1948), 12-13.

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Guide for Administrators Establishing Classrooms for Physically Handicapped Children. Springfield, Ill.: Illinois State Office of the Superintendent of Public Instruction, 1961.

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*Elementary Education; *Elementary Schools; *Handicapped Students; *School Design; *School Planning; Elementary School Students; Handicapped; Handicapped Children; Physically Handicapped; Physical Therapy; School Environment; School Policy; Social Relations

Latshaw, Harry F. "How Baltimore Provides for the Physically Handicapped," The Nation's Schools, 13 (June 1934), 44-48.

Lee, John J. "Today in Special Education," The Crippled Child, (Feb. 1956).

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Mackie, Romaine P. Education of Visually Handicapped Children. Washington, D. C.: U. S. Government Printing Office, 1951. 46 pp. (Federal Security Agency, Office of Education, Bulletin 1951, No. 20.)

*Educational Facilities; *Facility Guidelines; *Programs; *Visually Handicapped; Children; Community Responsibility; Equipment; Financial Needs; Planning; Reference Materials; Schools

Mackie, Romaine P. Handicapped Children: School Housing. Washington, D. C. U. S. Government Printing Office, 1952. 30 pp. (Federal Security Agency, Office of Education, Bulletin 1952 No. 5.3; 951/17.)

*Classrooms; *Educational Facilities; *Facility Requirements; *Handicapped Students; *Planning; Blind; Children; Deaf; Design Needs; Educational Needs; Educational Programs; Equipment; Facility Guidelines; Visually Handicapped

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Nudd, R.; and A. Tessier. "Assistance of Handicapped Students Through a University Residence Hall Program," The Journal of College Student Personnel, 7 (May 1966), 151-153.

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Realistic Educational Planning for Children with Cerebral Palsy at Pre-School Level. New York: United Cerebral Palsy Association, 321 West 44th St.

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*Building Design; *Design Needs; *Education Needs; *Physically Handicapped; *Social Problems; Architectural Barriers; Architectural Character; Case Studies; Educational Facilities; School Design; Transportation; Wheel Chairs

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"Architectural and Attitudinal Barriers Improve Programs," Bulletin of the Sub-Committee on Education, (June 1967).

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*Architectural Elements; *Building Design; *Design Needs; *Physically Handicapped; *Wheel Chairs; Multiply Handicapped; Planning; Site Development; Specifications; Toilet Facilities

Gutman, Ernest M.; and C. R. Gutman. Wheel Chair to Independence: Architectural Barriers Eliminated. Springfield, Ill.: C. C. Thomas Publisher, 301 E. Lawrence Ave., 1968. 136 pp.

*Facility Guidelines; *Mechanical Equipment; *Physically Handicapped; *School Design; *Wheel Chairs; Architectural Character; Architectural Elements; Bibliographies; Dormitories; Interior Space; Planning; Public Facilities; Site Development; Swimming Pools; Toilet Facilities; Utilities

Handicapped: Buildings Financed with Federal Funds, Design and Construction to be Accessible and Usable for the Physically Handicapped. Washington, D. C.: U. S. Government Publications, U.S. Printing Office, 1969. 4 pp.

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*Building Design; *Design Needs; *Physically Handicapped; *Specifications; *Wheel Chairs; Architectural Elements; Environmental Criteria; Flooring; Mechanical Equipment; Mobility Aids; Public Facilities; Standards

Hunt, J. "Designing Accessible Communities," Rehabilitation Record, (March/April 1968).

Instructions to Architects on Provisions for the Handicapped. New York: New York State Dormitory Authority, Albany, 1964.

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Making Facilities Accessible to Physically Handicapped. Albany, New York: State University Construction Fund, 1967. 35 pp.

*Architectural Elements; *Building Design; *Design Needs; *Physically Handicapped; *Public Facilities; Architectural Barriers; Criteria; Facilities Guidelines; Interior Space; Mobility Aids; Performance Specifications; Physical Design Needs; Planning; Toilet Facilities

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Stein, T. A. "A Report of Progress in the Elimination of Architectural Barriers," Rehabilitation Record, 25 (Jan. 1964), 4 pp.

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Suggestions for Accommodating the Crippled in Regular Buildings. Lansing, Mich.: Michigan State Department of Education, 1966. 2 pp. Also Available from Bethesda, Maryland: ERIC Document Reproduction Service, National Cash Register Company. MF-$0.25, HC-$0.16, EF 021 429

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Yuker, H. E.; and M. A. Feldman. The Development and Effects of an Inexpensive Elevator for Eliminating Architectural Barriers in Public Buildings. Hepstead, New York: Hofstra University Project Report RD-1651-g, 1966. 20 pp.

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EQUIPMENT AND AIDS

Equipment needs for mobility and the aid of mobility in, outside, and to-from facilities is the major topic of this bibliographic section.

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*Cerebral Palsy; *Equipment; *Mobility Aids; *Physically Handicapped; Design Needs; Multiply Handicapped; Recreation; Wheel Chairs

Yuker, H. E. And Others. Educational and School Equipment for Physically Disabled Students. Albertson, New York: Human Resources Center, 1968. 57 pp. Also Available from Bethesda, Maryland: ERIC Document Reproduction Service, National Cash Register Company, MF-$0.50, HC-$3.40, ED 034 385.

*Classroom Facilities; *Educational Equipment; *Educational Facilities; *Furniture; *Physically Handicapped; Auditoriums; Communications; Dining Facilities; Gymnasiums; Handicapped Students; Library Facilities; Mobility Aids; Science Facilities; Special Education

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*Bus Transportation; *Handicapped Students; *Physically Handicapped; *Student Transportation; *Wheel Chairs; Costs; Educational Facilities; Educational Programs; Mechanical Equipment; Mobility Aids; Planning; Special Schools

MISCELLANEOUS SUPPORTIVE INFORMATION

A wide range of information sources are given regarding in particular the physical, outdoor-recreational, playground and camping needs and facilities of the physically handicapped.

American Library Association. Standards for Library Services for the Blind and Visually Handicapped. Chicago, Ill.: American Library Association, 50 E. Huron St., 1966. 54 pp.

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PEOPLE AND PLACES

Sources are alphabetically organized for additional information and personal opinion on the many specific problems which occur in studying and understanding the physically handicapped.

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Self Help Devices for Rehabilitation
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SEATTLE Handicapped Club
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Center Director: Ida Daly

SERVICES for Crippled Children
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Human Resources School
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